

## Title (en)

Treatment of solid containing material derived from effluent

## Title (de)

Behandlung von aus Abwässer abgeleitete feststoffenthaltende Materialien

## Title (fr)

Traitement de matériau contenant de solides, dérivé d'effluent

## Publication

**EP 0798268 A1 19971001 (EN)**

## Application

**EP 97301717 A 19970313**

## Priority

GB 9606638 A 19960329

## Abstract (en)

A method is described for the treatment of a solid containing material obtained from effluent from an industrial plant or process, eg. a plant for the de-inking of waste paper. Such effluent comprises an aqueous suspension of solids comprising organic material and inorganic particulate material. The inorganic particulate material contains a substantial amount of calcium carbonate and is likely also to contain kaolin or metakaolin. The solids may also contain carbon particles. The method includes subjecting the solid containing material to a heat treatment process such that the temperature is controlled to be maintained in the range 600 DEG C to 800 DEG C, preferably 600 DEG C to 750 DEG C, to cause burning of the organic material without decomposition of more than about 50% by weight, preferably not more than about 10% by weight, of the calcium carbonate present to produce a particulate calcium carbonate-containing inorganic material substantially free of organic material. The particulate product is preferably white and useful as a pigment or filler material, eg. in paper making. <IMAGE>

## IPC 1-7

**C01F 11/18**; **D21H 17/67**; **D21H 19/64**; **D21C 5/02**

## IPC 8 full level

**B09B 3/00** (2006.01); **C01F 11/18** (2006.01); **C09D 7/12** (2006.01); **D21H 17/67** (2006.01)

## CPC (source: EP US)

**C01F 11/18** (2013.01 - EP US); **D21H 17/675** (2013.01 - EP US); **Y10S 210/928** (2013.01 - EP US)

## Citation (search report)

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## Designated contracting state (EPC)

AT BE DE DK ES FI FR GB IT NL PT SE

## DOCDB simple family (publication)

**EP 0798268 A1 19971001**; AU 1655797 A 19971002; AU 706803 B2 19990624; BR 9701562 A 19980901; CA 2200512 A1 19970929; GB 9606638 D0 19960605; ID 16493 A 19971002; JP H1029818 A 19980203; KR 970065883 A 19971013; NO 971400 D0 19970325; NO 971400 L 19970930; US 5846378 A 19981208

## DOCDB simple family (application)

**EP 97301717 A 19970313**; AU 1655797 A 19970327; BR 9701562 A 19970327; CA 2200512 A 19970320; GB 9606638 A 19960329; ID 971028 A 19970327; JP 8125497 A 19970331; KR 19970012262 A 19970328; NO 971400 A 19970325; US 82242097 A 19970321